

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P685094

Luminaire Tested: **LX6C55D010 EX6559030 6LBSLI**

Issue Date: 2/15/2022

**Test Information**

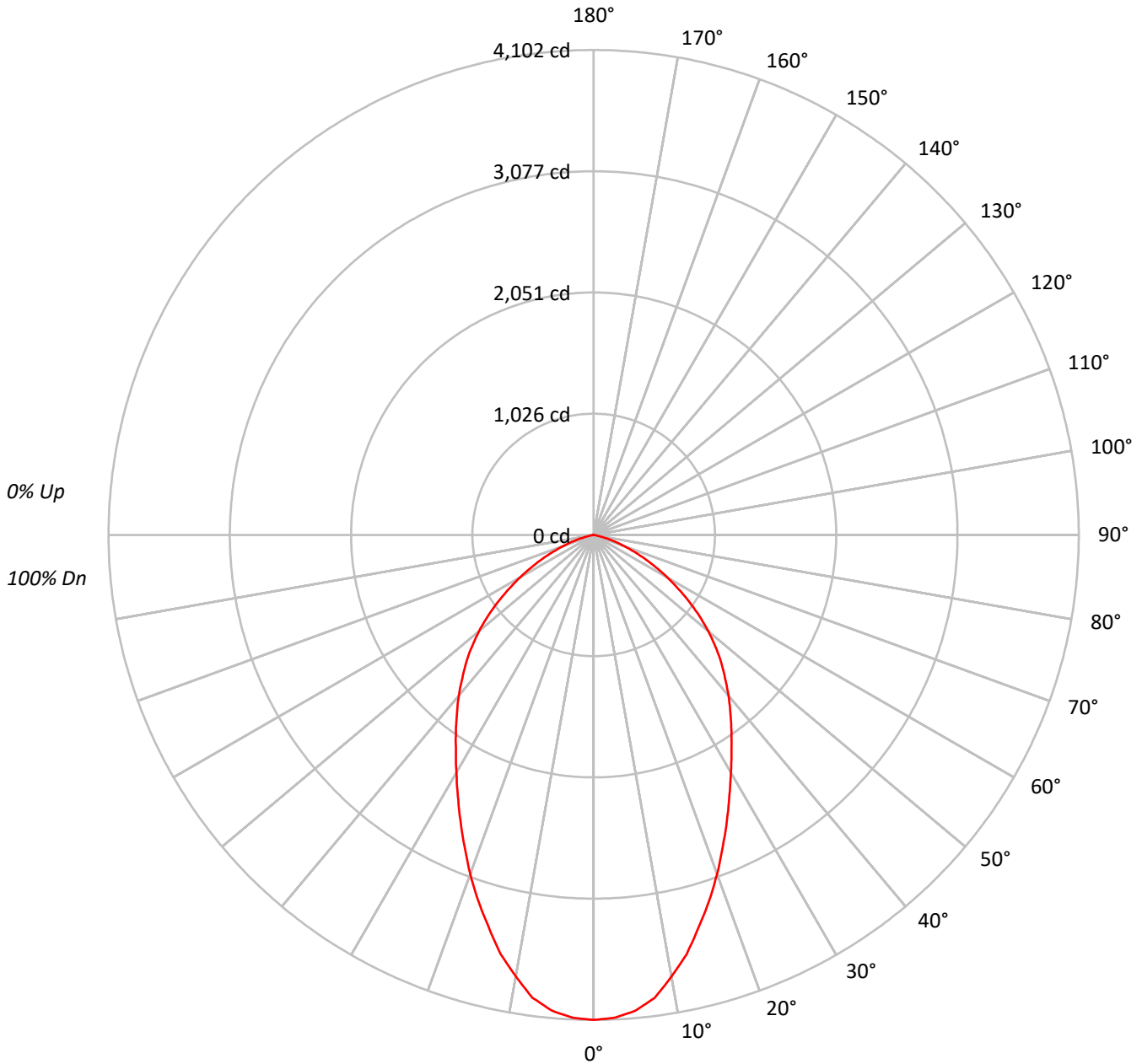
Test Method: LM-79-08  
Report Number: P685094  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C55D010 EX6559030 6LBSLI  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6500.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 63.9  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			33

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	224861
5°	222297
10°	211029
15°	194780
20°	178060
25°	161229
30°	146871
35°	135867
40°	127002
45°	118307
50°	107775
55°	94372
60°	78733
65°	61796
70°	43164
75°	23384
80°	4388
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	378.0	5.8
10°-20°	962.2	14.8
20°-30°	1227.1	18.9
30°-40°	1272.5	19.6
40°-50°	1172.5	18.0
50°-60°	882.0	13.6
60°-70°	476.1	7.3
70°-80°	127.7	2.0
80°-90°	1.9	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2567.3	39.5
0°-40°	3839.8	59.1
0°-60°	5894.3	90.7
0°-90°	6500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6500.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4102	
5°	4040	378
15°	3432	962
25°	2666	1227
35°	2030	1273
45°	1526	1173
55°	987	882
65°	476	476
75°	110	128
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4101.8
2.5°	4088.1
5°	4039.6
7.5°	3949.9
10°	3791.0
12.5°	3632.3
15°	3432.0
17.5°	3245.6
20°	3052.2
22.5°	2852.0
25°	2665.5
27.5°	2486.0
30°	2320.2
32.5°	2168.3
35°	2030.2
37.5°	1899.0
40°	1774.7
42.5°	1643.6
45°	1526.0
47.5°	1394.9
50°	1263.7
52.5°	1125.6
55°	987.4
57.5°	849.4
60°	718.1
62.5°	593.8
65°	476.4
67.5°	366.0
70°	269.3
72.5°	186.5
75°	110.4
77.5°	48.3
80°	13.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)